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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/658,424	09/10/2003	Ping Lee	BHT-3167-152	3187
7590	02/09/2005		EXAMINER	
BRUCE H. TROXELL SUITE 1404 5205 LEESBURG PIKE FALLS CHURCH, VA 22041			SCHECHTER, ANDREW M	
			ART UNIT	PAPER NUMBER
			2871	

DATE MAILED: 02/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/658,424

Applicant(s)

LEE, PING

Examiner

Andrew Schechter

Art Unit

2871

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 2-6 is/are allowed.
- 6) ☒ Claim(s) 1 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Specification

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Objections

2. Claim 4 is objected to because of the following informalities: the second "third fastening hole" should be --fourth fastening hole--. Appropriate correction is required.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over *Niibori et al.*, U.S. Patent No. 6,067,133 in view of applicant's admitted prior art.

Niibori discloses [see Fig. 19, for instance] an electronic apparatus with a liquid crystal display comprising: a liquid crystal display module having a backlight module [27] and a glass panel [1] which are fastened in a display frame [17, 26, etc.], wherein said display frame has a first fastening hole [on the left, say] disposed thereon; a digitizer [col. 9, lines 43-46] comprising a sensor board [including 10], wherein the

sensor board has a second fastening hole [on the left, again] aligned with the first fastening hole; and a housing [3d] for receiving said liquid crystal display module and said digitizer in the electronic apparatus, wherein said housing has a third fastening hole [in 3a] aligned with the first and second fastening hole; thereby a screw threaded through the three fastening holes is applied to fasten the liquid crystal display module and the digitizer into said electronic apparatus.

Niibori does not explicitly disclose a control board for the digitizer connected to the sensor board by a connecting bus. The applicant's admitted prior art [see Fig. 1] discloses such a control board and connecting bus; it would have been obvious to one of ordinary skill in the art at the time of the invention to use these, motivated by the need to receive and process information from the digitizer, and the flexibility of positioning the control board which the connecting bus provides. Claim 1 is therefore unpatentable.

[A note on language interpretation: the examiner understands the "sensor board" in *Niibori* to include elements 9 and 10, as well as the digitizer referred to as being on the face plate 9. Since the "sensor board" of the present application has holes in it, it evidently includes a portion which does the sensing, and a portion which is a structural support – the role played by 9 and 10 in *Niibori*.]

Allowable Subject Matter

5. Claims 2-6 are allowed.
6. The following is a statement of reasons for the indication of allowable subject matter:

The prior art does not disclose the device of claim 2. For instance, *Niibori* does not disclose "fastening said display frame and said backlight module together and fixing said glass panel therebetween" when the elements are identified as done in the rejection of claim 1 above. Claim 2 is therefore allowed, as are claims 3-5 which depend on it (note the objection to claim 4, however).

Claim 6 is the method of making the device of claim 2, with a slight variation in the numbering of the holes, so the prior art does not disclose it either. Claim 6 is therefore allowed.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Patent No. 6,330,150 to *Kim* discloses screwing various panels together, but not a sensor board, and it is not obvious that a sensor board, if added to the device, would be connected in the manner recited. Similar comments apply to U.S. Patent No. 6,654,078 to *Kato et al.* and U.S. Patent No. 6,747,713 to *Sato*.

U.S. Patent No. 6,031,524 to *Kunert* discloses a sensor board held in place by screws, but without the screws going through holes in the sensor board. Similarly, U.S. Patent No. 5,977,888 to *Fujita et al.* discloses [see Fig. 54] an LCD and sensor board, held in place by screws, yet without screw-holes in the LCD or sensor board.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Schechter whose telephone number is (571) 272-2302. The examiner can normally be reached on Monday - Friday, 9:00 - 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert H. Kim can be reached on (571) 272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Andrew Schechter
Andrew Schechter
Patent Examiner
Technology Center 2800
31 January 2005